

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	371	constellation with QAM and MIMO	US-PGPUB; USPAT	OR	ON	2007/04/13 15:38
L2	1	equidistant same constellation with QAM and MIMO	US-PGPUB; USPAT	OR	ON	2007/04/13 15:38
L3	8	lattice same constellation with QAM and MIMO	US-PGPUB; USPAT	OR	ON	2007/04/13 15:44
L4	44	lattice same constellation with QAM	US-PGPUB; USPAT	OR	ON	2007/04/13 15:44
L5	51	(lattice equidistant) same constellation with QAM	US-PGPUB; USPAT	OR	ON	2007/04/13 16:40
L6	0	time-space same constellation with QAM	US-PGPUB; USPAT	OR	ON	2007/04/13 15:47
L7	3	time-space and constellation with QAM	US-PGPUB; USPAT	OR	ON	2007/04/13 15:47
L9	51	QAM with lattice	US-PGPUB; USPAT	OR	ON	2007/04/13 16:40
S1	0	"10770395".an.	US-PGPUB; USPAT	OR	ON	2007/04/11 09:08
S2	1	"20050105629"	US-PGPUB; USPAT	OR	ON	2007/04/11 09:08
S3	53	(transmit antenna) with diversity same (MIMO SIMO MISO) and (beamforming layer\$3) with symbol	US-PGPUB; USPAT	OR	ON	2007/04/11 12:49
S4	5	(temporal transmit spatial) with diversity and (msd (maximally adj symbolwise adj diverse) non-msd)	US-PGPUB; USPAT	OR	ON	2007/04/11 13:49
S5	5	(temporal transmit spatial) with diversity and (msd (maxim\$5 adj symbolwise adj diverse) non-msd)	US-PGPUB; USPAT	OR	ON	2007/04/11 14:31
S6	2	(temporal transmit spatial) with diversity and (space with time) near modulat\$5	US-PGPUB; USPAT	OR	ON	2007/04/11 14:32
S7	2	diversity and (space with time) near modulat\$5	US-PGPUB; USPAT	OR	ON	2007/04/11 14:32
S8	542	diversity and (space with time) with modulat\$5	US-PGPUB; USPAT	OR	ON	2007/04/11 14:32
S9	139	diversity and (space with time) near3 modulat\$5	US-PGPUB; USPAT	OR	ON	2007/04/11 14:32
S10	91	diversity and (space with time) near2 modulat\$5	US-PGPUB; USPAT	OR	ON	2007/04/11 15:12
S11	5722	375/260,261,267,298,299,308.ccls. 455/101-103.ccls.	US-PGPUB; USPAT	OR	ON	2007/04/11 15:13
S12	22	S11 and (diversity MIMO) and (precoder pre-coder) with matrix and (transmit transmission) with power	US-PGPUB; USPAT	OR	ON	2007/04/11 18:14

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S13	123	S11 and (transmit with diversity) and (transmit transmission) with power and layer	US-PGPUB; USPAT	OR	ON	2007/04/11 15:26
S14	14	S11 and (transmit with diversity) and (transmit transmission) with power and layer with symbol	US-PGPUB; USPAT	OR	ON	2007/04/12 10:32
S15	1	"20020142723".pn.	US-PGPUB; USPAT	OR	ON	2007/04/12 15:23
S16	91021	(precoder pre-processor) with matrix with transmi\$6 power with ratio	US-PGPUB; USPAT	OR	ON	2007/04/12 13:00
S17	1	(precoder pre-processor) with matrix with transmi\$6 with power with ratio	US-PGPUB; USPAT	OR	ON	2007/04/12 09:24
S18	1	(precoder pre-processor) with matrix same (transmi\$6 with power with ratio)	US-PGPUB; USPAT	OR	ON	2007/04/12 09:24
S19	1	(precoder pre-processor) with (matrix layer) same (power with ratio)	US-PGPUB; USPAT	OR	ON	2007/04/12 09:25
S20	5	(precoder pre-processor) with (power with ratio)	US-PGPUB; USPAT	OR	ON	2007/04/12 09:25
S21	62	"6,097,771"	US-PGPUB; USPAT	OR	ON	2007/04/12 10:32
S22	1	"6097771".pn.	US-PGPUB; USPAT	OR	ON	2007/04/12 10:32
S23	46	linear adj combination with modulation with symbol	US-PGPUB; USPAT	OR	ON	2007/04/12 11:02
S24	1	linear adj combination with modulation with symbol with layer	US-PGPUB; USPAT	OR	ON	2007/04/12 11:03
S25	1	linear adj combination with modulation with symbol with (layer strata)	US-PGPUB; USPAT	OR	ON	2007/04/12 11:03
S26	1	linear adj combination with modulation with symbol same layer	US-PGPUB; USPAT	OR	ON	2007/04/12 11:03
S27	5733	375/260,261,267,298,299,308.ccls. 455/101-103.ccls.	US-PGPUB; USPAT	OR	ON	2007/04/12 11:03
S28	19	S27 and linear adj combination with modulation with symbol	US-PGPUB; USPAT	OR	ON	2007/04/12 11:03
S29	139	(precoder pre-processor) with matrix	US-PGPUB; USPAT	OR	ON	2007/04/12 13:00
S30	26	(precoder pre-processor) with matrix same power	US-PGPUB; USPAT	OR	ON	2007/04/12 14:06
S31	1	"6080408".pn.	US-PGPUB; USPAT	OR	ON	2007/04/12 14:07
S32	32	calderbank.in.	US-PGPUB; USPAT	OR	ON	2007/04/12 14:07
S33	1	Hottinen.in. and equidistant	US-PGPUB; USPAT	OR	ON	2007/04/12 15:24
S34	1	(Hottinen Tirkkonen).in. and equidistant	US-PGPUB; USPAT	OR	ON	2007/04/12 15:24

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S35	1	(Hottinen Tirkkonen).in. and equidistant	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2007/04/12 15:24
S36	2585	diversity with hadamard precod\$3	US-PGPUB; USPAT	OR	ON	2007/04/13 09:28
S37	1	diversity with hadamard precod\$3	US-PGPUB; USPAT	ADJ	ON	2007/04/13 09:28
S38	5	diversity with max adj1 symbol\$4	US-PGPUB; USPAT	ADJ	ON	2007/04/13 09:31
S39	47	diversity and precode\$3 and space-time	US-PGPUB; USPAT	ADJ	ON	2007/04/13 10:07
S40	9433	power with (bit data) adj rate	US-PGPUB; USPAT	OR	ON	2007/04/13 09:31
S41	475	power with associated with (bit data) adj rate	US-PGPUB; USPAT	OR	ON	2007/04/13 09:31
S42	132	power with proportional with (bit data) adj rate	US-PGPUB; USPAT	OR	ON	2007/04/13 09:32
S43	19	transmission near power with proportional with (bit data) adj rate	US-PGPUB; USPAT	OR	ON	2007/04/13 09:35
S44	19	transmission near power with proportional with (bit data modulation) adj rate	US-PGPUB; USPAT	OR	ON	2007/04/13 09:35
S45	19	transmission near power with proportional with (bit data modulation) adj (rate level)	US-PGPUB; USPAT	OR	ON	2007/04/13 09:35
S46	53	diversity and precode\$3 and space-time	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT ; IBM_TDB	ADJ	ON	2007/04/13 10:07
S47	76	diversity and precod\$3 and space-time	US-PGPUB; USPAT	ADJ	ON	2007/04/13 10:07